

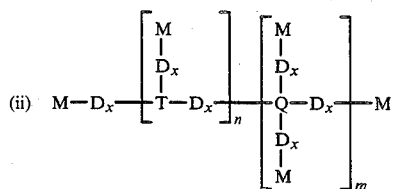
wherein:

M is a monofunctional, silicon-containing, chain capping residue; D is a difunctional, siloxane monomer unit; T is a trifunctional, siloxane monomer unit; and Q is a tetrafunctional siloxane monomer unit; and m and n are average numbers whose total is from about 2 to about 1000, n being a positive number greater than zero, m being zero or a positive number greater than zero; the average degree of polymerization of said polymer being from about 100 to about 20,000, the value of said degree of polymerization and m and n determining the average value of x;

(b) an organosiloxane crosslinker polymer containing alkenyl groups when polymer (a) contains said crosslinkable hydrogen groups or hydrogen groups when said polymer (a) contains said crosslinkable alkenyl groups, polymer (b) having at least one of the following general formulae (i), (ii) and (iii):



wherein the R substituents are substituted or unsubstituted and are the same or different and are selected from the group consisting of alkyl, aryl, alkaryl and aralkyl; R¹ is hydrogen or alkenyl; and q is an average number from about 1 to 250 times the value of q', q' being an average number of from about 3 to 20; the material of Formula VIII having an average degree of polymerization of from about 50 to 5,000, the average value of q being determined by the difference between the degree of polymerization and the average value of q';



wherein

M is a monofunctional, silicon-containing, chain-capping residue;

D is a difunctional siloxane monomer unit;

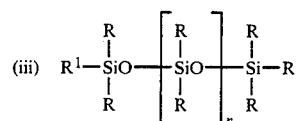
T is a trifunctional siloxane monomer unit; and

Q is a tetrafunctional siloxane monomer unit; and

wherein n and x are average positive numbers, m is 0 or an average positive number, the total of n+m being from about 2 to 100 and, when m=0, n alone has these values, the degree of polymerization (DP) being from 50 to 5,000; and

(I)

5



(VIII B)

wherein R and R¹ are as defined above, n is an average number substantially equal to the average degree of polymerization of the material which is from about 50 to 5,000; and

(c) a platinum complex catalyst capable of promoting a crosslinking reaction between said hydrogen or alkenyl groups in polymer (a) and said alkenyl or hydrogen groups in polymer (b).

2. A composition as claimed in claim 1, wherein, both before and after cure, less than about 40% to 50% by weight of said composition is extractable by solvent.

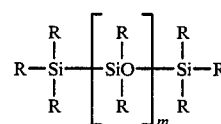
3. A composition as claimed in claim 2, wherein less than about 30% by weight of said composition is extractable by solvent.

4. A composition as claimed in claim 1, curable to a lens having a refractive index of about 1.4.

5. A composition as claimed in claim 1, divided into at least two vessels so as to separate component (b) from component (c).

6. A composition as claimed in claim 5, wherein one vessel contains component (c) and at least some of component (a) and another vessel contains component (b) and at least some of component (a).

7. A composition as claimed in claim 1, wherein said monofunctional units M are derived from polymerization of a polyorganosiloxane of the formula

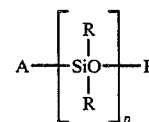


(III)

where the R radicals do not take part in the crosslinking reaction and are substituted or unsubstituted and are the same or different radicals selected from: alkyl, aryl, alkaryl and aralkyl; and wherein m is an average number up to about 30.

8. A composition as claimed in claim 7, wherein said R radicals are each methyl radicals.

9. A composition as claimed in claim 1, wherein said difunctional units D are derived from polymerization of a mixture of siloxanes of formula (IV) and (V) below:



(IV)

wherein the R radicals do not take part in the crosslinking reaction and are substituted or unsubstituted and are the same or different radicals and are selected from the group consisting of alkyl, aryl, alkaryl and aralkyl, said siloxane of formula (IV) being linear or cyclic, but when linear